

Mouse DPD ELISA Kit | DPD elisa kit

Mouse DPD (Deoxyypyridinolone) ELISA Kit

CATALOG #
AAA21525

REACTIVITY
Mouse

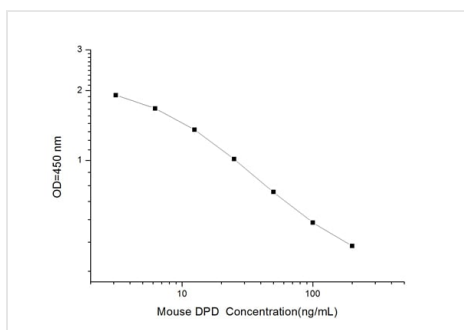
PRODUCT SYNONYMS

DPD; Mouse DPD (Deoxyypyridinolone) ELISA Kit; DPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This kit recognizes Mouse DPD in samples. No significant cross-reactivity or interference between Mouse DPD and analogues was observed.
Sequence Length	1025
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	3.13-200ng/mL
Sensitivity	1.88ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse DPD were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse DPD were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPD elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse DPD concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Mouse DPD. During the reaction, Mouse DPD in the sample or standard competes with a fixed amount of Mouse DPD on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Mouse DPD. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Mouse DPD in the samples is then determined by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13591940
NCBI GeneID	81656
NCBI Accession #	NP_112289.1
NCBI GenBank Nucleotide #	NM_031027.1
UniProt Accession #	O89000
Molecular Weight	111,468 Da
NCBI Official Full Name	dihydropyrimidine dehydrogenase
NCBI Official Synonym Full Names	dihydropyrimidine dehydrogenase
NCBI Official Symbol	Dpyd
NCBI Protein Information	dihydropyrimidine dehydrogenase [NADP(+)]; dihydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; dihydrothymine dehydrogenase; dihydrouracil dehydrogenase
UniProt Protein Name	Dihydropyrimidine dehydrogenase [NADP(+)]
UniProt Gene Name	Dpyd
UniProt Synonym Gene Names	DPD; DHPDHase; DPD
UniProt Entry Name	DPYD_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.